

SEQUENCE LISTING

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<120> VTP-RELATED ZINC FINGER DOMAINS AND
METHODS OF USE

<130> 14014.0349P1

<150> 60/148,810
<151> 1999-08-03

<160> 23

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 326
<212> PRT
<213> Homo sapiens

<400> 1

Met Asp Leu Thr Ala Ile Tyr Glu Ser Leu Leu Ser Leu Ser Pro Asp
1 5 10 15

Val Pro Val Pro Ser Asp His Gly Gly Thr Glu Ser Ser Pro Gly Trp
20 25 30

Gly Ser Ser Gly Pro Trp Ser Leu Ser Pro Ser Asp Ser Ser Pro Ser
35 40 45

Gly Val Thr Ser Arg Leu Pro Gly Arg Ser Thr Ser Leu Val Glu Gly
50 55 60

Arg Ser Cys Gly Trp Val Pro Pro Pro Pro Gly Phe Ala Pro Leu Ala
65 70 75 80

Pro Arg Leu Gly Pro Glu Leu Ser Pro Ser Pro Thr Ser Pro Thr Ala
85 90 95

Thr Ser Thr Thr Pro Ser Arg Tyr Lys Thr Glu Leu Cys Arg Thr Phe
100 105 110

Ser Glu Ser Gly Arg Cys Arg Tyr Gly Ala Lys Cys Gln Phe Ala His
115 120 125

Gly Leu Gly Glu Leu Arg Gln Ala Asn Arg His Pro Lys Tyr Lys Thr
130 135 140

Glu Leu Cys His Lys Phe Tyr Leu Gln Gly Arg Cys Pro Tyr Gly Ser
145 150 155 160

Arg Cys His Phe Ile His Asn Pro Ser Glu Asp Leu Ala Ala Pro Gly
165 170 175

His Pro Pro Val Leu Arg Gln Ser Ile Ser Phe Ser Gly Leu Pro Ser
180 185 190

Gly Arg Arg Thr Ser Pro Pro Pro Gly Leu Ala Gly Pro Ser Leu
195 200 205

Ser Ser Ser Ser Phe Ser Pro Ser Ser Ser Pro Pro Pro Pro Gly Asp
210 215 220

Leu Pro Leu Ser Pro Ser Ala Phe Ser Ala Ala Pro Gly Thr Pro Leu
225 230 235 240

Ala Arg Arg Asp Pro Thr Pro Val Cys Cys Pro Ser Cys Arg Arg Ala
245 250 255

Thr Pro Ile Ser Val Trp Gly Pro Leu Gly Gly Leu Val Arg Thr Pro
260 265 270

Ser Val Gln Ser Leu Gly Ser Asp Pro Asp Glu Tyr Ala Ser Ser Gly
 275 280 285
 Ser Ser Leu Gly Gly Ser Asp Ser Pro Val Phe Glu Ala Gly Val Phe
 290 295 300
 Ala Pro Pro Gln Pro Val Ala Ala Pro Arg Arg Leu Pro Ile Phe Asn
 305 310 315 320
 Arg Ile Ser Val Ser Glu
 325

<210> 2
 <211> 338
 <212> PRT
 <213> Homo sapiens

<400> 2
 Met Thr Thr Leu Val Ser Ala Thr Ile Phe Asp Leu Ser Glu Val
 1 5 10 15
 Leu Cys Lys Gly Asn Lys Met Leu Asn Tyr Ser Ala Pro Ser Ala Gly
 20 25 30
 Gly Cys Leu Leu Asp Arg Lys Ala Val Gly Thr Pro Ala Gly Gly Gly
 35 40 45
 Phe Pro Arg Arg His Ser Val Thr Leu Pro Ser Ser Lys Phe Arg Gln
 50 55 60
 Asn Gln Leu Leu Ser Ser Leu Lys Gly Glu Pro Ala Pro Ala Leu Ser
 65 70 75 80
 Ser Arg Asp Ser Arg Phe Arg Asp Arg Ser Phe Ser Glu Gly Gly Glu
 85 90 95
 Arg Leu Leu Pro Thr Gln Lys Gln Pro Gly Gly Gln Val Asn Ser
 100 105 110
 Ser Arg Tyr Lys Thr Glu Leu Cys Arg Pro Phe Glu Glu Asn Gly Ala
 115 120 125
 Cys Lys Tyr Gly Asp Lys Cys Gln Phe Ala His Gly Ile His Glu Leu
 130 135 140
 Arg Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr
 145 150 155 160
 Phe His Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile
 165 170 175
 His Asn Ala Glu Glu Arg Arg Ala Leu Ala Gly Ala Arg Asp Leu Ser
 180 185 190
 Ala Asp Arg Pro Arg Leu Gln His Ser Phe Ser Phe Ala Gly Phe Pro
 195 200 205
 Ser Ala Ala Ala Thr Ala Ala Ala Thr Gly Leu Leu Asp Ser Pro Thr
 210 215 220
 Ser Ile Thr Pro Pro Ile Leu Ser Ala Asp Asp Leu Leu Gly Ser
 225 230 235 240
 Pro Thr Leu Pro Asp Gly Thr Asn Asn Pro Phe Ala Phe Ser Ser Gln
 245 250 255
 Glu Leu Ala Ser Leu Phe Ala Pro Ser Met Gly Leu Pro Gly Gly Gly
 260 265 270
 Ser Pro Thr Thr Phe Leu Phe Arg Pro Met Ser Glu Ser Pro His Met
 275 280 285
 Phe Asp Ser Pro Pro Ser Pro Gln Asp Ser Leu Ser Asp Gln Glu Gly
 290 295 300
 Tyr Leu Ser Ser Ser Ser Ser His Ser Gly Ser Asp Ser Pro Thr
 305 310 315 320
 Leu Asp Asn Ser Arg Arg Leu Pro Ile Phe Ser Arg Leu Ser Ile Ser
 325 330 335
 Asp Asp

<210> 3
 <211> 492
 <212> PRT
 <213> Homo sapiens

<400> 3
 Met Ser Thr Thr Leu Leu Ser Ala Phe Tyr Asp Val Asp Phe Leu Cys
 1 5 10 15
 Lys Thr Glu Lys Ser Leu Ala Asn Leu Asn Leu Asn Asn Met Leu Asp
 20 25 30
 Lys Lys Ala Val Gly Thr Pro Val Ala Ala Pro Ser Ser Gly Phe
 35 40 45
 Ala Pro Gly Phe Leu Arg Arg His Ser Ala Ser Asn Leu His Ala Leu
 50 55 60
 Ala His Pro Ala Pro Ser Pro Gly Ser Cys Ser Pro Lys Phe Pro Gly
 65 70 75 80
 Ala Ala Asn Gly Ser Ser Cys Gly Ser Ala Ala Gly Gly Pro Thr
 85 90 95
 Ser Tyr Gly Thr Leu Lys Glu Pro Ser Gly Gly Gly Thr Ala Leu
 100 105 110
 Leu Asn Lys Glu Asn Lys Phe Arg Asp Arg Ser Phe Ser Glu Asn Gly
 115 120 125
 Asp Arg Ser Gln His Leu Leu His Leu Gln Gln Gln Lys Gly Gly
 130 135 140
 Gly Gly Ser Gln Ile Asn Ser Thr Arg Tyr Lys Thr Glu Leu Cys Arg
 145 150 155 160
 Pro Phe Glu Glu Ser Gly Thr Cys Lys Tyr Gly Glu Lys Cys Gln Phe
 165 170 175
 Ala His Gly Phe His Glu Leu Arg Ser Leu Thr Arg His Pro Lys Tyr
 180 185 190
 Lys Thr Glu Leu Cys Arg Thr Phe His Thr Ile Gly Phe Cys Pro Tyr
 195 200 205
 Gly Pro Arg Cys His Phe Ile His Asn Ala Asp Glu Arg Arg Pro Ala
 210 215 220
 Pro Ser Gly Gly Ala Ser Gly Asp Leu Arg Ala Phe Gly Thr Arg Asp
 225 230 235 240
 Ala Leu His Leu Gly Phe Pro Arg Glu Pro Arg Pro Lys Leu His His
 245 250 255
 Ser Leu Ser Phe Ser Gly Phe Pro Ser Gly His His Gln Pro Pro Gly
 260 265 270
 Gly Leu Glu Ser Pro Leu Leu Leu Asp Ser Pro Thr Ser Arg Thr Pro
 275 280 285
 Pro Pro Pro Ser Cys Ser Ser Ala Ser Ser Cys Ser Ser Ala Ser
 290 295 300
 Ser Cys Ser Ser Ala Ser Ala Ala Ser Thr Pro Ser Gly Thr Pro Thr
 305 310 315 320
 Cys Cys Ala Ser Ala Ala Ala Leu Arg Leu Leu Tyr Gly Thr Gly
 325 330 335
 Gly Ala Glu Asp Leu Leu Ala Pro Gly Ala Pro Cys Ala Ala Cys Ser
 340 345 350
 Ser Ala Ser Cys Ala Asn Asn Ala Phe Ala Phe Gly Pro Glu Leu Ser
 355 360 365
 Ser Leu Ile Thr Pro Leu Ala Ile Gln Thr His Asn Phe Ala Ala Val
 370 375 380
 Ala Ala Ala Ala Tyr Tyr Arg Ser Gln Gln Gln Gln Gln Gly
 385 390 395 400
 Leu Ala Pro Pro Ala Gln Pro Pro Ala Pro Pro Ser Ala Thr Leu Pro
 405 410 415

Ala	Gly	Ala	Ala	Pro	Pro	Ser	Pro	Pro	Phe	Ser	Phe	Gln	Leu	Pro	
				420				425						430	
Arg	Arg	Leu	Ser	Asp	Ser	Pro	Val	Phe	Asp	Ala	Pro	Pro	Ser	Pro	Pro
				435				440						445	
Asp	Ser	Leu	Ser	Asp	Arg	Asp	Ser	Tyr	Leu	Ser	Gly	Ser	Leu	Ser	Ser
				450			455				460				
Gly	Ser	Leu	Ser	Gly	Ser	Glu	Ser	Pro	Ser	Leu	Asp	Pro	Gly	Arg	Arg
				465		470				475					480
Leu	Pro	Ile	Phe	Ser	Arg	Leu	Ser	Ile	Ser	Asp	Asp				
				485				490							

<210> 4
<211> 276
<212> PRT
<213> Xenopus

<400> 4

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Met Glu Ile Ser Asn Asp Ser Leu Asp Leu Phe Ser Ser Phe Phe Pro
 1           5           10          15
Gln Leu Ser Pro Pro Ala Asp Pro Glu Thr Pro Leu Leu Pro Ser Phe
 20          25          30
Ser Ala Pro Pro Lys His Leu Ser Leu Ser Ser Leu Arg Tyr Lys Thr
 35          40          45
Glu Leu Cys Ser Arg Tyr Ala Glu Ser Gly Phe Cys Ala Tyr Arg Asn
 50          55          60
Arg Cys Gln Phe Ala His Gly Leu Ser Glu Leu Arg Pro Pro Val Gln
 65          70          75          80
His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Ser Phe His Val Leu Gly
 85          90          95
Thr Cys Asn Tyr Gly Leu Arg Cys Leu Phe Ile His Ser Pro Gln Glu
100         105         110
Arg Arg Glu Pro Pro Val Leu Pro Asp Asn Leu Ser Leu Pro Pro Arg
115         120         125
Arg Tyr Gly Gly Pro Tyr Arg Glu Arg Cys Arg Leu Trp Ser Ala Pro
130         135         140
Gly Gly Cys Pro Tyr Gly Ala Arg Cys His Phe Gln His Pro Lys Ser
145         150         155         160
Ala Arg Glu Thr Cys Arg His Phe Ala Ala Leu Gly Asp Cys Pro Tyr
165         170         175
Gly Ala Cys Cys His Phe Ser His Ser Pro Pro Leu Asp Arg Trp Gly
180         185         190
Ser Gly Thr Lys Asn Ser Ser Gly Ser Leu Ser Pro Ser Asp Pro Asp
195         200         205
Ser Asp Pro Asp Thr Pro Val Leu Ser Glu Ser Pro Ala Asn Asn Ala
210         215         220
Phe Ser Phe Ser Ser Leu Leu Leu Pro Leu Ala Leu Arg Leu Gln Ile
225         230         235         240
Leu Gly Asp Asp Asp Leu Pro Thr Ala Ser Asp Pro Leu Pro Gly Asp
245         250         255
Asp Thr Asp Leu Leu Pro Gly Asp Glu Glu Ile Ala Gln Gly Leu Leu
260         265         270
Ser Val Leu Gly
 275

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<210> 5
<211> 327
<212> PRT
<213> Cyprinidae carpio

<400> 5

Met Phe Glu Thr Ser Thr Asp Asn Leu Phe Leu Phe Pro Thr Glu Gly
 1 5 10 15
 Leu Asn Glu Ala Phe Phe Pro Glu Glu Gly Leu Ala Ser Gly Ser Leu
 20 25 30
 Ser Leu Ala Lys Ala Leu Leu Pro Leu Val Glu Ser Pro Ser Pro Pro
 35 40 45
 Met Thr Pro Trp Leu Cys Ser Thr Arg Tyr Lys Thr Glu Leu Cys Ser
 50 55 60
 Arg Tyr Ala Glu Thr Gly Thr Cys Lys Tyr Ala Glu Arg Cys Gln Phe
 65 70 75 80
 Ala His Gly Leu His Asp Leu His Val Pro Ser Arg His Pro Lys Tyr
 85 90 95
 Lys Thr Glu Leu Cys Arg Thr Tyr His Thr Ala Gly Tyr Cys Val Tyr
 100 105 110
 Gly Thr Arg Cys Leu Phe Val His Asn Leu Lys Glu Gln Arg Pro Val
 115 120 125
 Arg Gln Arg Cys Arg Asn Val Pro Cys Arg Thr Phe Arg Ala Phe Gly
 130 135 140
 Val Cys Pro Phe Gly Thr Arg Cys His Phe Leu His Val Glu Gly Gly
 145 150 155 160
 Ser Glu Ser Asp Gly Gly Glu Glu Gln Thr Cys Gln Pro Met Ser
 165 170 175
 Gln Ser Gln Glu Trp Lys Pro Arg Gly Ala Leu Cys Arg Thr Phe Ser
 180 185 190
 Ala Phe Gly Phe Cys Leu Tyr Gly Thr Arg Cys Arg Phe Gln His Gly
 195 200 205
 Leu Pro Asn Ser Ile Lys Gly Val Asn Ser Thr His Thr Ser Trp Pro
 210 215 220
 His Gln Met Thr Asn Arg Gly Ser Leu Ser Pro Val Ser Asp Ala Cys
 225 230 235 240
 Ser Ser Gln Ser Pro Pro Ser Ser Val Pro Ser Val Cys Val Gly Phe
 245 250 255
 Ala Val Tyr Pro Glu Gly Ser Gly Pro Val Thr Pro Pro Ser Val Glu
 260 265 270
 Ala Val Ala Asn Asn Ala Phe Thr Phe Ser Ser Gln His Leu Asn Asp
 275 280 285
 Leu Leu Leu Pro Leu Ala Leu Arg Leu Gln Gln Leu Glu Asn Val Thr
 290 295 300
 Asn Ala Gly Pro Gln Asp Ala Val Asp Lys Pro Leu Leu Leu Ser Leu
 305 310 315 320
 Trp Gln Asp Asp Pro Arg Ser
 325

<210> 6

<211> 319
 <212> PRT
 <213> Danio rerio

<400> 6

Met Phe Glu Thr Ser Gln Asp Asp Leu Phe Leu Phe Pro Thr Glu Gly
 1 5 10 15
 Leu Asn Glu Ala Phe Phe Pro Glu Glu Gly Leu Gly Gly Gly Gly
 20 25 30
 Gly Leu Ser Leu Ala Glu Ala Leu Leu Pro Leu Val Glu Ser Pro Ser
 35 40 45
 Pro Pro Met Thr Pro Trp Leu Cys Ser Thr Arg Tyr Lys Thr Glu Leu
 50 55 60

2007-09-05 10:00:00

Cys Ser Arg Tyr Ala Glu Thr Gly Thr Cys Lys Tyr Ala Glu Arg Cys
 65 70 75 80
 Gln Phe Ala His Gly Leu His Asp Leu His Val Pro Ser Arg His Pro
 85 90 95
 Lys Tyr Lys Thr Glu Leu Cys Arg Thr Tyr His Thr Ala Gly Tyr Cys
 100 105 110
 Val Tyr Gly Thr Arg Cys Leu Phe Val His Asn Leu Lys Glu Gln Arg
 115 120 125
 Pro Ile Arg Pro Arg Arg Asn Val Pro Cys Arg Thr Phe Arg Ala
 130 135 140
 Phe Gly Val Cys Pro Phe Gly Asn Arg Cys His Phe Leu His Val Glu
 145 150 155 160
 Gly Gly Ser Glu Ser Asp Gly Ala Glu Glu Glu Gln Thr Trp Gln Pro
 165 170 175
 Pro Ser Gln Ser Gln Glu Trp Lys Pro Arg Gly Ala Leu Cys Arg Thr
 180 185 190
 Phe Ser Ala Phe Gly Phe Cys Leu Tyr Gly Thr Arg Cys Arg Phe Gln
 195 200 205
 His Gly Leu Pro Asn Thr Ile Lys Gly His Asn Ala Asn His Thr Ser
 210 215 220
 Trp Pro Gln Gln Met Thr Asn Gly Gly Ser Ile Ser Pro Ile Ser Asp
 225 230 235 240
 Thr Cys Thr Ser Pro Ser Pro Pro Ser Ser Pro Thr Ser Ala Leu
 245 250 255
 Pro Ser Pro Val Tyr Pro Asp Ser Ser Gly Pro Ile Thr Pro Pro Ser
 260 265 270
 Val Glu Ala Val Ala Asn Asn Ala Phe Thr Phe Ser Ser Gln His Leu
 275 280 285
 Asn Asp Leu Leu Leu Pro Leu Ala Leu Arg Leu Gln Gln Leu Glu Lys
 290 295 300
 Ala Ala Ser Ala Gly Pro Gln Asp Val Leu Asp Lys Pro Leu Leu
 305 310 315

<210> 7

<211> 64

<212> PRT

<213> Rattus norvegicus

<400> 7

Arg Tyr Lys Thr Glu Leu Cys Arg Pro Phe Glu Glu Asn Gly Ala Cys
 1 5 10 15
 Lys Tyr Gly Asp Lys Cys Gln Phe Ala His Gly Ile His Glu Leu Arg
 20 25 30
 Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
 35 40 45
 His Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile His
 50 55 60

<210> 8

<211> 64

<212> PRT

<213> Homo sapiens

<400> 8

Arg Tyr Lys Thr Glu Leu Cys Arg Pro Phe Glu Glu Asn Gly Ala Cys
 1 5 10 15
 Lys Tyr Gly Asp Lys Cys Gln Phe Ala His Gly Ile His Glu Leu Arg
 20 25 30

SEARCHED - SERIALIZED - INDEXED - FILED

Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
35 40 45
His Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile His
50 55 60

<210> 9
<211> 64
<212> PRT
<213> *Mus musculus*

<400> 9
Arg Tyr Lys Thr Glu Leu Cys Arg Pro Phe Glu Glu Asn Gly Ala Cys
1 5 10 15
Lys Tyr Gly Asp Lys Cys Gln Phe Ala His Gly Ile His Glu Leu Arg
20 25 30
Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
35 40 45
s Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile His
50 55 60

<210> 10
<211> 64
<212> PRT
<213> *Xenopus laevis*

<400> 10
Arg Tyr Lys Thr Glu Leu Cys Arg Pro Phe Glu Glu Asn Gly Ser Cys
1 5 10 15
Lys Tyr Gly Asp Lys Cys Gln Phe Ala His Gly Ile His Glu Leu Arg
20 25 30
Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
35 40 45
His Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile His
50 55 60

<210> 11
<211> 64
<212> PRT
<213> *Homo sapiens*

<400> 11
Arg Tyr Lys Thr Glu Leu Cys Arg Pro Phe Glu Glu Ser Gly Thr Cys
1 5 10 15
Lys Tyr Gly Glu Lys Cys Gln Phe Ala His Gly Phe His Glu Leu Arg
20 25 30
Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
35 40 45
His Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile His
50 55 60

<210> 12
<211> 64
<212> PRT
<213> *Mus musculus*

<400> 12
Arg Tyr Lys Thr Glu Leu Cys Arg Pro Phe Glu Glu Ser Gly Thr Cys
1 5 10 15

Lys Tyr Gly Glu Lys Cys Gln Phe Ala His Gly Phe His Glu Leu Arg
20 25 30
Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
35 40 45
His Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile His
50 55 60

<210> 13

<211> 64

<212> PRT

<213> Xenopus laevis

<400> 13

Arg Tyr Lys Thr Glu Leu Cys Arg Pro Phe Glu Glu Asn Gly Ala Cys
1 5 10 15
Lys Tyr Gly Glu Lys Cys Gln Phe Ala His Gly Phe His Glu Leu Arg
20 25 30
Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
35 40 45
His Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile His
50 55 60

<210> 14

<211> 64

<212> PRT

<213> Xenopus laevis

<400> 14

Arg Tyr Lys Thr Glu Leu Cys Arg Pro Phe Glu Glu Ser Gly Ala Cys
1 5 10 15
Lys Tyr Gly Glu Lys Cys Gln Phe Ala His Gly Phe His Glu Leu Arg
20 25 30
Ser Leu Thr Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Phe
35 40 45
His Thr Ile Gly Phe Cys Pro Tyr Gly Pro Arg Cys His Phe Ile His
50 55 60

<210> 15

<211> 64

<212> PRT

<213> Homo sapiens

<400> 15

Arg Tyr Lys Thr Glu Leu Cys Arg Thr Phe Ser Glu Ser Gly Arg Cys
1 5 10 15
Arg Tyr Gly Ala Lys Cys Gln Phe Ala His Gly Leu Gly Glu Leu Arg
20 25 30
Gln Ala Asn Arg His Pro Lys Tyr Lys Thr Glu Leu Cys His Lys Phe
35 40 45
Tyr Leu Gln Gly Arg Cys Pro Tyr Gly Ser Arg Cys His Phe Ile His
50 55 60

<210> 16

<211> 64

<212> PRT

<213> Bos taurus

<400> 16

Arg Tyr Lys Thr Glu Leu Cys Arg Thr Phe Ser Glu Ser Gly Arg Cys
 1 5 10 15
 Arg Tyr Gly Ala Lys Cys Gln Phe Ala His Gly Leu Gly Glu Leu Arg
 20 25 30
 Gln Ala Asn Arg His Pro Lys Tyr Lys Thr Glu Leu Cys His Lys Phe
 35 40 45
 Tyr Leu Gln Gly Arg Cys Pro Tyr Gly Ser Arg Cys His Phe Ile His
 50 55 60

<210> 17

<211> 64

<212> PRT

<213> *Mus musculus*

<400> 17

Arg Tyr Lys Thr Glu Leu Cys Arg Thr Tyr Ser Glu Ser Gly Arg Cys
 1 5 10 15
 Arg Tyr Gly Ala Lys Cys Gln Phe Ala His Gly Leu Gly Glu Leu Arg
 20 25 30
 Gln Ala Asn Arg His Pro Lys Tyr Lys Thr Glu Leu Cys His Lys Phe
 35 40 45
 Tyr Leu Gln Gly Arg Cys Pro Tyr Gly Ser Arg Cys His Phe Ile His
 50 55 60

<210> 18

<211> 64

<212> PRT

<213> *Rattus norvegicus*

<400> 18

Arg Tyr Lys Thr Glu Leu Cys Arg Thr Tyr Ser Glu Ser Gly Arg Cys
 1 5 10 15
 Arg Tyr Gly Ala Lys Cys Gln Phe Ala His Gly Pro Gly Glu Leu Arg
 20 25 30
 Gln Ala Asn Arg His Pro Lys Tyr Lys Thr Glu Leu Cys His Lys Phe
 35 40 45
 Tyr Leu Gln Gly Arg Cys Pro Tyr Gly Ser Arg Cys His Phe Ile His
 50 55 60

<210> 19

<211> 64

<212> PRT

<213> *Xenopus laevis*

<400> 19

Arg Tyr Lys Thr Glu Leu Cys Arg Thr Phe Ser Glu Thr Gly Thr Cys
 1 5 10 15
 Lys Tyr Gly Ala Lys Cys Gln Phe Ala His Gly Lys Ile Glu Leu Arg
 20 25 30
 Glu Pro Asn Arg His Pro Lys Tyr Lys Thr Glu Leu Cys His Lys Phe
 35 40 45
 Tyr Leu Tyr Gly Glu Cys Pro Tyr Gly Ser Arg Cys Asn Phe Ile His
 50 55 60

<210> 20

<211> 64

<212> PRT

<213> *Cyprinus carpio*

<400> 20

Arg Tyr Lys Thr Glu Leu Cys Ser Arg Tyr Ala Glu Thr Gly Thr Cys
1 5 10 15
Lys Tyr Ala Glu Arg Cys Gln Phe Ala His Gly Leu His Asp Leu His
20 25 30
Val Pro Ser Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Tyr
35 40 45
His Thr Ala Gly Tyr Cys Val Tyr Gly Thr Arg Cys Leu Phe Val His
50 55 60

<210> 21

<211> 64

<212> PRT

<213> Danio rerio

<400> 21

Arg Tyr Lys Thr Glu Leu Cys Ser Arg Tyr Ala Glu Thr Gly Thr Cys
1 5 10 15
Lys Tyr Ala Glu Arg Cys Gln Phe Ala His Gly Leu His Asp Leu His
20 25 30
Val Pro Ser Arg His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Thr Tyr
35 40 45
His Asn Ala Gly Tyr Cys Val Tyr Val Thr Arg Cys Leu Phe Val His
50 55 60

<210> 22

<211> 64

<212> PRT

<213> Xenopus laevis

<400> 22

Arg Tyr Lys Thr Glu Leu Cys Ser Arg Tyr Ala Glu Ser Gly Phe Cys
1 5 10 15
Ala Tyr Arg Asn Arg Cys Gln Phe Ala His Gly Leu Ser Glu Leu Arg
20 25 30
Pro Pro Val Gln His Pro Lys Tyr Lys Thr Glu Leu Cys Arg Ser Phe
35 40 45
His Val Leu Gly Thr Cys Asn Tyr Gly Leu Arg Cys Leu Phe Ile His
50 55 60

<210> 23

<211> 77

<212> PRT

<213> Homo sapiens

<400> 23

Thr Ser Thr Thr Pro Ser Arg Tyr Lys Thr Glu Leu Cys Arg Thr Phe
1 5 10 15
Ser Glu Ser Gly Arg Cys Arg Tyr Gly Ala Lys Cys Gln Phe Ala His
20 25 30
Gly Leu Gly Glu Leu Arg Gln Ala Asn Arg His Pro Lys Tyr Lys Thr
35 40 45
Glu Leu Cys His Lys Phe Tyr Leu Gln Gly Arg Cys Pro Tyr Gly Ser
50 55 60
Arg Cys His Phe Ile His Asn Pro Ser Glu Asp Leu Ala
65 70 75